## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

## **LISTING OF CLAIMS**

- 1. (currently amended) An apparatus adapted for treating or processing at least one substrate/workpiece in a plasma, comprising:
  - (a) a chamber defining an interior space;
  - (b) means a component for generating a plasma in said interior space of said chamber;
- (c) <u>a</u> mounting <u>means</u> <u>component</u> adapted for positioning at least one substrate/workpiece in said interior space of said chamber for receiving treatment in said plasma; <del>and</del>
- (d) a gas supply means component for injecting gas(es) at least one gas into said interior space of said chamber, comprising:
  - (i) an inlet portion extending exteriorly of said chamber;
- (ii) an outlet <u>portion</u> extending into said chamber and including a pair of arcuately--shaped tubular gas outlet <u>portions</u> <u>elements</u> for injecting <u>gas(es)</u> <u>at least one gas</u> into said interior space; and
- (iii) an electrically insulating sleeve located at an opening in a wall of said chamber between said inlet portion and said outlet portion;
- (iii) (e) means a component for applying a bias potential to said gas supply means component for suppressing plasma formation at said outlet portions elements, wherein said means component for applying a bias potential is electrically isolated from said means component for generating a plasma[[-,]]; and

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wherein said apparatus comprises (f) a spaced-apart pair of cathode/target assemblies

and wherein said mounting means component positions at least one substrate/workpiece in the

space between said pair of cathode/target assemblies, and said arcuately-shaped tubular gas

outlet portions elements are positioned between said spaced-apart pair of cathode/target

assemblies.

2. (currently amended) The apparatus as in of claim 1, further comprising:

(e) means for electrically isolating wherein said electrically insulating sleeve electrically

isolates said gas supply means component from said chamber and said means component for

generating said plasma.

3. (currently amended) The apparatus as in of claim 2, wherein [[÷]]said outlet portion of said gas

supply means component extends through an electrically insulated opening in a wall of said

chamber.

4. (currently amended) The apparatus as in of claim 1, wherein [[:]] said means component for

applying said bias potential comprises means a component for applying one of a DC, AC, or and

RF bias potential.

5. (currently amended) The apparatus as in of claim 4, wherein [[:]] said means component for

applying said bias potential comprises means a component for applying a selected polarity DC

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bias potential of up to about 1,000 V.

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6. (currently amended) The apparatus as in of claim 1, wherein[[÷]] said interior space of said

chamber is adapted to be maintained at a reduced pressure.

7. (currently amended) The apparatus as in of claim 1, wherein said apparatus is adapted

to perform a plasma treatment or process selected from the group consisting of [[+]]sputter

etching, reactive sputter etching, sputter deposition, and reactive sputter deposition.

8. (currently amended) The apparatus as in of claim 7, wherein said apparatus is adapted to

perform one of a sputter deposition or and a reactive sputter deposition process operation.

9. (canceled)

10. (canceled)

11. (currently amended) A method of treating or processing at least one substrate/workpiece in a

plasma chamber, comprising steps of:

(a) electrically insulating an opening in a wall of said chamber between portions of a gas

supply component using an electrically insulating sleeve;

(b) mounting/positioning at least one substrate/workpiece between a spaced-apart pair of

cathode/target assemblies in said interior space of said chamber;

(c) injecting gas(es) at least one gas between said spaced-apart pair of cathode/target

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assemblies by means of an electrically isolated using said gas supply means component having

wherein said gas supply component comprises a pair of arcuately-shaped tubular gas outlet

portions;

(d) generating a plasma in said interior space of said chamber via said means component

for generating a plasma;

(e) applying a bias potential to said gas supply means component to suppress plasma

formation at said at least one outlet orifice, wherein said gas supply means component is

electrically isolated from said means a component for generating a plasma; and

(f) treating/processing said at least one substrate/workpiece in said plasma.

12. (currently amended) The method according to claim 11, wherein:

step (a) comprises providing an apparatus wherein said chamber is adapted to be

maintained at a reduced pressure.

13. (currently amended) The method according to claim 12, wherein:

step said (a) comprises providing an apparatus component for generating a plasma is

adapted to perform a plasma treatment or process selected from the group consisting of [[÷]]

sputter etching, reactive sputter etching, sputter deposition, and reactive sputter deposition.

14. (currently amended) The method according to claim 13, wherein:

step said (a) comprises providing an apparatus component for generating a plasma is

adapted to perform one of a sputter deposition or and a reactive sputter deposition process

operation.

15. (canceled)

16. (currently amended) The method according to claim 14, wherein:

step said (b) comprises mounting/positioning at least one disk-shaped

substrate/workpiece for one of a magnetic or and a magneto-optical (MO) recording medium.

17. (currently amended) The method according to claim 16, wherein:

step said (f) comprises reactive sputtering of a ferromagnetic target material in an oxygen

containing plasma to deposit an oxygen-containing ferromagnetic layer on each surface of said at

least one substrate/workpiece.

18. (currently amended) The method according to claim 11, wherein:

step said (c) comprises injecting gas(es) at least one gas into said interior space of said

chamber by means of an using said electrically isolated gas supply means component, having

wherein said gas supply component comprises an inlet portion extending exteriorly of said

chamber and an outlet portion extending into said chamber via an electrically insulated opening

in a wall of said chamber said electrically insulating sleeve.

19. (currently amended) The method according to claim 11, wherein:

step said (e) comprises applying one of a DC, AC, or and RF bias potential.

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20. (currently amended) The method according to claim 19, wherein:

step said (e) comprises applying a selected polarity DC bias potential of up to about 1,000

V.